

CLAIMS

What is claimed is:

- 1) A method for routing calls in an Advanced Intelligent Network including the steps of:
 - 5 a) Attempting a switch-based call-forward from a subscriber line in a Service Switching Point (SSP);
 - b) Detecting a trigger in the SSP based upon said step a);
 - c) Suspending call processing based upon said step b);
 - d) During said step c), determining whether the call forward should be
10 permitted; and
 - e) Inhibiting or permitting the call-forward based upon the determination in said step d).
- 2) The method of claim 1 further including the step of sending a message to an
15 SCP during said step c) based upon said step b).
- 3) The method of claim 2 wherein the message includes a forward-to number to which the call-forward attempt is made.
- 20 4) The method of claim 3 further including the steps of:
 - f) determining whether the forward-to number is a voicemail number; and
 - g) determining whether to forward the call in said step d) based upon said determination in said step f).

Qwest# 1749
Customer No. 22193
60,434-010

5) The method of claim 4 further including the step of preventing the call-forward in said step e) based upon the determination in said step f) that the forward-to number is a voicemail number.

5 6) The method of claim 5 further including the step of forwarding the call to more than one subscriber line prior to said step a).

7) The method of claim 1 further including the step of permitting the switch-based call forward in said step e).

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8) The method of claim 1 further including the step of forwarding the call to voicemail in said step e).

9) The method of claim 1 wherein said trigger is an Off-Hook Delay trigger
15 caused by the switch's attempt to forward the call.

10) The method of claim 1 further including the step of forwarding the call to a second subscriber line.

Qwest# 1749
Customer No. 22193
60,434-010

11) An Advanced Intelligent Network Service Switching Point (SSP) including:

a plurality of specific digit strings including a first specific digit string;

a plurality of subscriber lines each assigned one of said plurality of specific

5 digit strings;

a trigger associated with said first specific digit string and activated by a

call to the first specific digit string at the SSP;

said SSP generating a request for a forwarding instruction based upon said
trigger; and

10 said SSP receiving said forwarding instruction and forwarding the call

based upon the forwarding instruction.